

## ABSTRACT

A countermeasure for differential power analysis attacks on computing devices. The countermeasure includes the definition of a set of split mask values. The split mask values are applied to a key value used in conjunction with a masked table defined with reference to a table mask value. The set of  $n$  split mask values are defined by randomly generating  $n-1$  split mask values and defining an  $n$ th split mask value by exclusive or'ing the table mask value with the  $n-1$  randomly generated split mask values.

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